

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 June 2004 (17.06.2004)

PCT

(10) International Publication Number  
**WO 2004/050750 A1**

(51) International Patent Classification<sup>7</sup>: **C08J 5/24**,  
C08F 2/48, 2/44, B29B 15/12

Australian Capital Territory 2603 (AU). COMAN, Floreana [AU/AU]; 61-63 Queensberry Street, South Carlton, Victoria 3053 (AU).

(21) International Application Number:  
PCT/AU2003/001617

(74) Agent: **FREEHILLS CARTER SMITH BEADLE**;  
Level 43, 101 Collins Street, Melbourne, Victoria 3000 (AU).

(22) International Filing Date: 4 December 2003 (04.12.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2002953099 4 December 2002 (04.12.2002) AU

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **AUSTRALIAN COMPOSITES PTY LTD** [AU/AU];  
124-130 Cochranes Road, Moorabbin, Victoria 3189 (AU).

**Published:**

— with international search report

(72) Inventor: **COMPSTON, Paul**; Department of Engineering, FEIT, The Australian National University, Canberra, ACT 0200 (AU).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **STACHURSKI, Zbigniew, Henryk** [AU/AU]; 12 Pelsart Street, Canberra,

(54) Title: REINFORCED POLYMER COMPOSITION

(57) Abstract: A partially cured reinforced polymeric article which includes one or more layers, each layer including: a reinforcing web; a partially cured cross-linkable polymeric composition being formed from: an ultra-violet (UV) curable polymeric resin; and a photoinitiator; or a photoinitiator and a thermal initiator wherein the polymeric resin and photoinitiator are selected to permit formation of the partially cured cross-linkable polymeric composition in less than approximately 120 seconds.

WO 2004/050750 A1

BEST AVAILABLE COPY